Digital Oil Bath LX85DOB

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Description

Digital oil bath LX85DOB can be used as a water bath, oil bath and stirrer. It’s a laboratory heating equipment designed for maintenance of a stable, temperature controlled external environment. Built-in PID controller enables manipulation of process variables like temperature and shuffle speed. Teflon sprayed aluminum composition facilitates uniform heating of immersed flasks, bottles or test-tube racks.

Specifications

Top pot volume	0.8 L
Bath volume	0.5 L
Internal dimension	Φ130 x 60 mm
Working area capacity	Φ130 x 40 mm
Temperature	Temperature control: PID auto control Temperature display: Digital display Temperature range for machine: Ambient to 400°C Temperature range for top pot: 350°C Temperature accuracy : +/- 1°C Temperature uniformity: ±2°C Permissible ambient temperature: Ambient to 40°C
Thermocouple probe/sensor type	PT100, with inner and outer thermocouple
Speed performance	Stir display: Digital display Stir speed: 100-1800rpm Stir speed accuracy: +/- 1 rpm
Wetted materials	Aluminum with sprayed teflon
Power supply	450 W
Voltage	160 to 240 V, 110-130 V
Product dimensions	295 x 190 x 170 mm
Packing dimensions	340 x 210 x 220 mm
Gross weight	6 kg

Features

- Dual function (water and oil bath)

- Digital display for easy observation of temperature and stirring speed
- The top instrument material is a double layer: Stainless steel 304 outside layer and the inner layer has aluminum with sprayed Teflon and a hinged polycarbonate lid that allows condensation to flow back
- Time molding waterproof and dustproof shell with anti-static paint
- High-temperature alarm and safety shutdown features provide safe and user-friendly workspace
- Came with a heating and stirring function in the instrument, no need to have other vessels
- 4-pin connector for inner and outer thermocouple
- PID control system
- Aluminum base with anti-slip leg stoppers for balance during procedures
- Varied plug points are available

Applications

- Used in pharmaceutical and petroleum industries as a heating source in extraction procedures, in oxidation stability tests of oils or greases.

Standard Accessories

Accessory no.	Name	Specifications	Quantity
1	Removed holder	Stainless steel material, Length: 10mm, Diameter: 10mm	1 pcs
2	Clamp with screw		1 pcs
3	Outer PT100 thermocouple	4-spins, Stainless steel material, Length: 235mm, Wire length: 1000mm	1 pcs
4	Inner thermocouple	4-spins	1 pcs
5	Magnetic stir bar	White PTFE-coated, Length: 30mm, Diameter: 6mm	1 pcs

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